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PRODUCTION OF MACHINE TOOLS, TOOL-MAKING MACHINES, TOOLS AT USSR PLANTS

MANUFACTURE NEW VERTICAL BORING AND TURNING MILL -- Riga, Sovetskaya Latviya, 4 Jul 52

The Novosibirsk Heavy Machine Tool and Hydraulic Presses Plant imeni Yefremov has manufactured a new heavy vertical boring and turning mill. The diameter of its table is 7 meters. The machine consists of 15,000 parts weighing from several grams to tens of tons. Thread-cutting, turning, and other machining operations on parts up to 150 tons in weight will be performed on it.

It is intended for machining parts for turbines and other aggregates for the construction projects.

PRODUCE NEW MACHINE TOOLS IN LENINGRAD -- Leningradskaya Pravda, 8 Jul 52

Among the automatic turret lathes produced by the Leningrad Automatics Plant is one for precision machining of parts 24 millimeters in diameter. The plant manufactured an automatic for longitudinal grinding in 1952, and has now assured its series production. Among machine tools being planned for production are vertical cut-off automatics for the tool industry and electric welding aggregates which will permit the processing of tens of thousands of parts per shift.

Of special interest at the Leningrad Plant imeni Sverdlov is a universal boring machine with a 150-millimeter spindle diameter.

The Leningrad Machine Tool Building Plant imeni Il'ich has manufactured two new types of automatic machine tools for grinding precision parts in the past 6 months. It is planning to put out a cylindrical grinding machine with increased accuracy.

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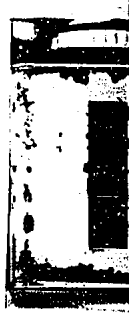

Moscow, Trud, 22 Jul 52

The Leningrad Automatics Plant has put into series production automatic turret lathes with a spindle speed of 2,800 revolutions per minute. The plant has also perfected a longitudinal grinding automatic for the watch industry.

The Leningrad Plant imeni Sverdlov has perfected six machine tools of new design. Among them are boring machines which machine parts with increased accuracy and at high speeds. The enterprise will soon put out another series of new boring machines. They are intended for machining turbine parts for the Kuybyshev and Stalingrad GES.

An original portable aggregate for cutting metal with abrasive wheels has been designed by P. Babor, a fitter at the Experimental Plant of the All-Union Scientific Research Institute of Abrasives and Grinding. The productivity of this aggregate is 30 times as high as that of jig saws.

BEGIN SERIES PRODUCTION OF PRECISION LATHE -- Tbilisi, Zarya Vostoka, 4 Jul 52

The Tbilisi Foundry and Machinery Plant of the Ministry of Labor Reserves USSR has begun series production of TP-1-M high-speed, high-precision lathes.

G. Kobakhidze, K. Chakava, G. Lomtatidze, and G. Aspinidze participated in the perfection of these machine tools.

The plant's products are distributed throughout the country. Plant personnel have pledged to fill all orders for new types of products ahead of schedule.

WILL MORE THAN DOUBLE OUTPUT IN 1952 -- Moscow, Pravda, 3 May 52

The Ryazan' Machine Tool Building Plant will produce 2.3 times as many universal screw-cutting lathes in 1952 as in 1951.

PRODUCE SMALL SHAPERS, SLOTTERS -- Leningradskaya Pravda, 30 Jul 52

The Chkalov Machine Tool Building Plant has mastered the production of small models of shapers and slotters. The tiny machine tools have been manufactured with a great deal of accuracy and have a high coefficient of efficiency.

Plant designers replaced ordinary speed boxes with a high-speed electric motor and developed a convenient control which facilitates machining of parts considerably.

The first group of the tiny machine tools was shipped to experimental workshops and training laboratories of the Moscow State University.

BUILD LATHES FOR MOSCOW STATE UNIVERSITY -- Moscow, Vechernyaya Moskva, 3 Jun 52

On 1 June 1952 the Odessa Experimental Machinery Plant sent five new lathes to a laboratory of the Moscow State University.

BEGIN MASS PRODUCTION OF NEW PRECISION MACHINE TOOL -- Yerevan, Kommunist, 1 May 52

Mass production of precision machine tools for machining extra fine quality tools has been started at the Yerevan Machine Tool Building Plant imeni Dzerzhinskiy. Many such machine tools will be produced in 1952.

M. Mnatsakanyan, engineer-technologist, S. Kandoyan, designer, D. Petrosyan, foreman, and M. Aslanyan, fitter, participated actively in the development of the new-type machine tool.

TEST NEW GRINDING SEMIAUTOMATIC FOR RHOMBIC FILES -- Minsk, Sovetskaya Belorussiya, 22 Jun 52

A new semiautomatic machine tool for grinding file blanks of rhombic cross section has been manufactured and tested by the Vitebsk Machine Tool Building Plant imeni Kirov. Built according to blueprints developed by the Design Bureau of the Ministry of Machine Tool Building USSR, it is an outstanding production achievement. Until now, the grinding of rhombic files was done on hand grindstones.

The new semiautomatic machine tools are slated for tool plants throughout the country.

20TH ANNIVERSARY OF TOOL PLANT -- Moscow, Moskovskaya Pravda, 22 May 52

The Moscow Frezer Plant went into operation at the end of April 1932. The plant has developed and mastered the mass production of hundreds of tools, and is now producing 2,500 type sizes of cutting tools.

MASTER PRODUCTION OF INVOLUTE GEAR TESTING MACHINES -- Moscow, Vechernyaya Moskva, 9 Jul 52

The Moscow Tool Plant has mastered the production of devices of original design. A universal involute gear testing machine for checking gears and gear cutters of complex profile has about 400 parts which are unusually complicated to machine. The accuracy of its reading is measured in microns.

The entire process of machining and assembling this machine is done at the plant's gear-testing machine shops.

One of the first universal involute gear testing machines has been installed in the control section of the plant's gear cutting shop.

These machines can now be found at many machine building plants in the country.

INCREASE OUTPUT OF MICROMETERS -- Kiev, Pravda Ukrainy, 21 Jun 52

After the introduction of constant-flow methods of production at the Moscow Kalibr Plant in 1948, the production cycle for the manufacture of a micrometer was shortened from 475 hours to 70 hours, and a year later to 45-50 hours. By 1950, the shortened production cycle and other measures made it possible for the plant to double the rate of turnover of working capital.

Moscow, Trud, 12 Jul 52

In 1940, the planned production capacity of the Moscow Kalibr Plant was more than doubled. It now produces several times as many micrometers per month as it did in all of 1933.

The plant has become a tool- and gauge-makers school. It was first to apply successfully the constant-flow method for the production of measuring tools. Personnel trained here can be found at many enterprises and research institutes.

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